

WHAT IS CLAIMED IS:

1. A process for producing glucose-1-phosphate, comprising the steps of culturing bacteria of the
5 genus *Corynebacterium* in a medium containing a saccharide and at least 1 mM of phosphoric acid or a derivative or salt thereof, and collecting glucose-1-phosphate produced and accumulated in the medium.
- 10 2. The process according to Claim 1, wherein the bacteria of the genus *Corynebacterium* are selected from *Corynebacterium callunae*, *Corynebacterium glutamicum* and *Corynebacterium vitaeruminis*.
- 15 3. The process according to Claim 2, wherein the bacterial of the genus *Corynebacterium* are selected from *Corynebacterium callunae* IFO 15359, *Corynebacterium glutamicum* JCM 1321 and
20 *Corynebacterium vitaeruminis* JCM 1323 strains.
4. The process according to any one of Claims 1 to 3, wherein the saccharide is at least one selected from monosaccharides, disaccharides, oligosaccharides
25 and polysaccharides containing glucose as a constitutive saccharide

